

**CLAIMS**

1. An elongation cord adapted for the reinforcement of elastomer structures,  
5       said elongation cord comprising  
          a core and  
          three to nine strands twisted around said core with a cord  
twisting step in a cord twisting direction,  
said core being a polymer core,  
10       **characterized in that**  
          at least one of said strands comprises a first group of filaments  
          and a second group of filaments,  
          said first group of filaments being twisted with a first twisting step  
          in a first twisting direction,  
15       said second group of filaments being twisted with a second  
twisting step in a second twisting direction,  
said first twisting step being different from said second twisting  
step or said first twisting direction being different from said  
second twisting direction, or both,  
20       said first twisting direction being equal to said cord twisting  
direction, and said first twisting step being equal to said cord  
twisting step.
2. A cord according to claim 1 wherein said first group of filaments  
25       comprises between two and five filaments.
3. A cord according to any one of the preceding claims wherein said  
second group of filaments comprises between one and five  
filaments.  
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4. A cord according to any one of the preceding claims wherein said  
polymer is polyester or polyamide.
5. A cord according to any one of the preceding claims wherein all of  
35       said strands comprise such a first group of filaments and such a

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second group of filaments.

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6. A cord according to any one of the preceding claims wherein said cord has a structural elongation of at least 1.20%.
7. A cord according to any one of the preceding claims wherein said cord has an elongation at break of at least 5%.
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8. A cord according to any one of the preceding claims wherein said polymer core has a thickness which is equal or greater to the smallest diameter of the filaments in said first group or in said second group.
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9. A cord according to claim 8 wherein said polymer core has a thickness which is equal or greater to two times the smallest diameter of the filaments in said first group or in said second group.
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